



544654

POTENTIAL GROUND WATER CONTAMINATION SOURCE

IDENTIFICATION AND PRELIMINARY ASSESSMENT

This form is completed for each potential hazardous waste site to help set priorities for site inspections. The information submitted on this form is based on available records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections. If information is not available, place an "x" in the space provided.

SITE IDENTIFICATION

COMPANY NAME NORTHEAST GRAVEL Co. (a Michigan corporation)

ADDRESS 4300 CANNONS BUEG Rd., Belmont, MI

LOCATION (COUNTY, TOWN & RANGE) SE 1/4, NW 1/4, Sec 24, Twp. R11W, KENT County

OWNER/OPERATOR Lester Bauer, Manager (Harold E. Neitzel, Pres. - 1971.)

HOW LONG HAS THIS FACILITY BEEN OPERATING AT THIS SITE? (Business started in 1967, closed in 1971. Records date to 1971.)

HAS THERE EVER BEEN AN OWNERSHIP TRANSFER? Not indicated in file (See back #1)

IF SO WHEN? \_\_\_\_\_

PREVIOUS OWNER? \_\_\_\_\_

OPERATION CHARACTERIZATION

Cell or industrial wastes (Lagoon discharge), metallic

TYPE OF OPERATION (I.E. MANUFACTURING, LANDFILL, ETC.) Treatment of sludges, some

Separation of water, landfilling of dried material (filling → dewatering → removal)

WASTE CHARACTERIZATION

Waste type:

Unknown     Liquid     Solid     Sludge     Gas

Waste characteristics:

Unknown     Corrosive     Ignitable     Radioactive     Highly Volatile

Toxic     Reactive     Inert     Flammable

Other Specify \_\_\_\_\_

Waste description (metal sludges, PCB's, etc.) metal hydroxides

PROBLEM CHARACTERIZATION (I.E. UNLINED SEEPAGE LAGOON, IMPROPER BARREL DISPOSAL, ETC.)

Unlined lagoons over permeable sand and sand Company often exceeded their permits with samples showing above the allowed nickel, copper, chromium, zinc, cyanide, chlor + gases.

LIST ALL APPLICABLE PERMITS HELD BY THE SITE (FILL IN DATE OF ISSUANCE & PERMIT NUMBER)

NPDES \_\_\_\_\_ Liquid industrial waste \_\_\_\_\_  
Air \_\_\_\_\_ Groundwater discharge 1100288 (Oct 19, 1976)  
Solid waste \_\_\_\_\_ Soil & sedimentation \_\_\_\_\_  
Inland lakes \_\_\_\_\_ Other (specify) YS 0000238 <sup>Apr. 1 1972</sup>  
<sub>(Voluntary St. P. L. station)</sub>  
<sub>② MS 0000021 7/73</sub>

COMPLIANCE HISTORY Often exceeded their permit requirements, especially from 9/1974 on. A 4th notice of non-compliance allowing to copy was issued 11-24-75, w/ cc going to approval 3rd flavor.

Wells: 3 driven wells and 2 open water areas have been available for periodic testing of groundwater quality

or changes there in

HAS THERE BEEN ANY ATTEMPT TO MONITOR THE GROUNDWATER IN THE PAST Yes

If so, give the location or identification number of the wells (over)

List any pertinent monitoring data (include date and laboratory used for analysis) No contamination of monitor wells or open water sites. Some contamination in Well #2, which is in the middle of all area, however, 1. .... reports 1. .... will not be in. 1. Grand Rapids approx 900' to south.

GIVE THE LOCATION & DISTANCE TO THE NEAREST PRIVATE WELL \_\_\_\_\_

GIVE THE SOURCE OF MUNICIPAL WATER SUPPLY Plainfield Twp wells (over)

LIST ANY KNOWN GEOLOGICAL CHARACTERISTICS OF THE AREA Permeable sands and gravels occur between the disposal pits and the water table

DEPARTMENT ACTION

Sampling /

HISTORY OF SITE INSPECTIONS (LIST DATE, INSPECTING AGENCY & RESULTS)

In 1971 Aug 5, 1971 a series of samples were taken by the DNR showing bacterial contamination. In 1972 Jan 22nd 1972 and by 1973 & 1974 during sampling.

REGULATORY ACTIONS (NOTICES OF NONCOMPLIANCE & VIOLATIONS, DATES & REASONS)

On 9-17-74, notice of noncompliance was issued to owner of facility to clean the above land of the lagoon area and to clean up the lagoon. Samples were taken June 5 - Aug 26, 1975 also on 9-17-74, 1-3-75, 4-25-75, 6-25-75.

REMEDIAL ACTIONS REQUESTED (ACTIONS & DATES)

To show higher than allowable permit requirements and remove lagoon samples.

Were these actions accomplished? Yes. In late Oct 1977 all lagoons sites of soil in NE Grand were cleaned by the state. NE Grand was shut down.

(2) Robert F. Bissell, Geologist, Geo. Survey On review started on 2-4-72 and determined that the monitoring well system was adequate.

③ Chester Harvey, Civil Engineer, on 6-16-72, examined the company and area of operation and evaluated the well sample - finding the acceptable and no contamination.

④ Jones & Howell, Civil Engineers, made the site investigation a little on 6-20-73 finding the ground water testing. Groundwater at the site was found to be 6.5 mg/gallon per month.

⑤ Chester Harvey, on 6-13-74, evaluated the site and determined that the well operated satisfactorily and contained no chlorides. Dissolved metals was associated with the industrial waste and absent from the ground water control point.

⑥ Chester Harvey, on 5-2-75 - site inspection and a well clean up and no change in the original ground water parameters.

⑦ In 1975, DNR Sampling of the lagoons showed ground water test 25 mm wells, three, contained when an absence of contaminants.

⑧ Williams & Weeks Laboratories contained samples with results in 1978 showing no contaminants.

Case name 1 - 1971

PRELIMINARY PROBLEM ASSESSMENT

Date 12-19-71

POTENTIAL HAZARDS (CHECK ALL APPLICABLE CATEGORIES)

Human health	<input type="checkbox"/>	Noticeable odors	<input type="checkbox"/>
Contamination of water supply	<input type="checkbox"/>	Contamination of soils	<input checked="" type="checkbox"/>
Contamination of groundwater	<input checked="" type="checkbox"/>	Property damage	<input type="checkbox"/>
Contamination of surface water	<input type="checkbox"/>	Sewer/storm drain problems	<input type="checkbox"/>
Contamination of food chain	<input type="checkbox"/>	Erosion problems	<input type="checkbox"/>
Damage to flora/fauna	<input type="checkbox"/>	Inadequate security	<input type="checkbox"/>
Fish kill	<input type="checkbox"/>	Other (specify)	<input type="checkbox"/>
Contamination of air	<input type="checkbox"/>		<input type="checkbox"/>
Fire or explosion	<input type="checkbox"/>		<input type="checkbox"/>
Spills/leaking containers (runoff) standing liquids	<input type="checkbox"/>		<input type="checkbox"/>
Incompatible wastes	<input type="checkbox"/>		<input type="checkbox"/>
Midnight dumping	<input type="checkbox"/>		<input type="checkbox"/>

WHAT ADDITIONAL INFORMATION IS REQUIRED?

I am not satisfied with the number of monitor wells on the location additional wells should be put in - i.e. especially in the south-southeast of the lagoon site.

DESCRIBE ANY NECESSARY ACTIONS WHICH SHOULD BE UNDERTAKEN? (ADDITIONAL SAMPLING, SITE INSPECTION, ETC.)

See above. The monitor well is too few in number and shall be increased in height.

SUMMARY OF ACTIONABLE VIOLATIONS

Case Name A-71-1001

The following is a list of violations which may provide a basis for the development of enforcement strategy. The violations fall into two basic categories: 1. Operation without a permit or 2. violation of a permit, final order, consent agreement etc. Please note any of these violations during the course of your review.

Violation of Act 245, P.A. 1929, the Water Resources Commission Act  
(discharge violation)

No permit \_\_\_\_\_

Violation of permit  \_\_\_\_\_

Surface water discharge \_\_\_\_\_

Groundwater discharge \_\_\_\_\_

Violation of Part 5 Rules for  
Act 245, P.A. 1929

Illegal storage \_\_\_\_\_

Improper storage \_\_\_\_\_

No PIPP \_\_\_\_\_

PIPP not implemented correctly \_\_\_\_\_

Violation of Act 641, P.A. 1978, the Solid Waste Management Act

No license \_\_\_\_\_

Violation of license Act 87 \_\_\_\_\_

Other violations (failure to report critical materials, improper disposal of PCB's, illegal waste removal, etc.) Many violations of Act 87

and violations in and in DNR samples of lagoons

Basically, the company was responsive to DNR findings, etc., as was the #1 customer - Apparal Industrial. The problems probably come from less scrupulous ~~factories~~ who did not adequately ~~treat~~ their sludges, ~~and~~ etc., no permit violations.

(C-1)

no  
wells and is basically within  
its guidelines.

from: Brian Monroe  
O.H.M.C.

FROM: Dave Dennis File TO: A. Hogan  
SUBJECT: Northeast Gravel DON LAMOREAU - Plainfield Twp.  
Supervisor 616-361-2836 OUR JOB NO. DATE OF MEMO  
2/17/78

**MESSAGE**

I recently received a TX from a Mr. Don Lamoreau, Plainfield Twp. Supervisor regarding disposal of wastewater material at Northeast Gravel. His main concern is with Approved Industrial Levee. He is afraid they may have slipped some C-56 still residue into this site since they use it so often. He says there are monitoring wells at the site and asked if they've been checked for C-56. I told him probably not. He asked that we do so. I told him that I would make such a request. It sounds like a good idea. Comment.

SENDER - DO NOT WRITE BELOW THIS LINE

SIGNED

A. Hogan

**REPLY**

ANDY -

We'll have a sample checked for C-56 - May have to wait until snow is gone however.

cc: Brian Monroe Tom Peep Date 3732794

O.H.M.C. Lamoreau

1/15 1/24/80

R&Re. Dist E III

3221300

SIGNED

DATE

6/30/80 - As of this date NE Gravel  
has had no trace of C-56 in monitor  
wells and is basically within  
its guidelines.

from: Brian Monroe  
OAGC.

January 22, 1975

Northeast Gravel Company  
4310 Cannonsburg Road  
Belmont, Michigan 49306

Attention: Mr. Bauer

Gentlemen:

On January 3, 1975, I sampled your lagoon on Cannonsburg Road. Enclosed are the results.

Your Water Resources Commission stipulation requires that the waste contained prior to discharge not more than 1) pH 8.5 to 10.5; 2) copper 0.5 mg/l; 3) nickel 0.5 mg/l; 4) Cr6 0.05 mg/l; 5) cyanide .1 mg/l; 6) oil and grease, maximum of 25 mg/l. Your north-middle lagoon where the sample was taken is above your permit requirements. The nickel showed 1.1 mg/l and the oil and grease was 6 percent (60,000 mg/l). In regard to this, I am sending you a Notice of Noncompliance and Order to Comply. If you have any questions, feel free to call me at 517-373-1947.

Very truly yours,

BUREAU OF WATER MANAGEMENT

Tomas Loen, Water Quality Investigator  
Oil & Hazardous Materials Control Section

TL:clp  
Enclosure  
cc: B. Dennis  
J. Shauver